

AG EXHIBIT 1.1

Curriculum Vita – Kenneth Rose, Ph. D.

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Professional Experience

Authored or coauthored many reports, papers, articles, and books on regulation of the electric industry and other energy and regulatory issues. Topics include Clean Air Act implementation, environmental externalities of electricity production, competitive bidding for power supply, regulatory treatment of industry uneconomic costs, and market power and market monitoring. Testified or presented before many legislative and public utility commission hearings, proceedings, conferences, and workshops on electric industry issues.

2002 - Present, Independent Consultant and Senior Fellow, Institute of Public Utilities, Michigan State University.

1998 - 2002, Lecturer, School of Public Policy and Management, The Ohio State University, Columbus, Ohio.

1989 - 2002, Senior Institute Economist, National Regulatory Research Institute, The Ohio State University, Columbus, Ohio.

1984 - 1989, Economist, Energy and Environmental Systems Division, Argonne National Laboratory, Argonne, Illinois.

Education

Ph.D. Economics, University of Illinois at Chicago, 1988.
Areas of Concentration: Applied Microeconomics and Econometrics.
Thesis: Economic Analysis of Electricity Self-Generation by Industrial Firms.

M.A. Economics, University of Illinois at Chicago, 1983.

B.S. Economics, University of Illinois at Chicago, 1981.

Publications

Book Contributions

Kenneth Rose, "Electric Power: Traditional Monopoly Franchise Regulation and Rate Making," in *Encyclopedia of Energy*, (Academic Press/Elsevier Science, forthcoming, March 2004).

Kenneth Rose, "Electric Industry Restructuring and the SO₂ Emissions Trading Program: A Look Ahead by Looking Back," in *Emission Trading: Environmental Policy's New Approach*, Richard F. Kosobud, ed. (New York: John Wiley & Sons, Inc., 2000), 209-215.

Kenneth Rose, "Implementing an Emissions Trading Program in an Economically Regulated Industry: Lessons from the SO₂ Trading Program" in *Market Based Approaches to Environmental Policy: Regulatory Innovations to the Fore*, Richard F. Kosobud and Jennifer M. Zimmerman, eds. (New York: Van Nostrand Reinhold, 1997).

Kenneth Rose, "Planning Versus Competition and Incentives: Conflicts, Complements, or Evolution?" in *Reforming Electricity Regulation: Fitting Regional Networks into a Federal System*, Clinton J. Andrews, ed. (Westport, CT: Quorum Books, 1994).

Articles

Kenneth Rose, "The State of Retail Electricity Markets in the U.S.," *The Electricity Journal* Vol. 17, No. 1 (January/February 2004).

Selina Lim and Kenneth Rose, "Retail Access Slowed but Not Stopped after California" *Natural Gas* (published by John Wiley & Sons,) July 2001.

Kenneth Rose, "Using Auctions to Jump-Start Competition and Short-Circuit Incumbent Market Power," *Public Utilities Fortnightly* (February 1, 1999).

Kenneth W. Costello and Kenneth Rose, "Some Fundamental Questions on Market Power: No Easy Answers for State Utility Regulators," *The Electricity Journal* Vol. 11, No. 6 (July 1998).

Kenneth Rose, "Securitization of Uneconomic Costs: Whom Does It Secure?" *Public Utilities Fortnightly* Vol. 135, No. 11 (June 1, 1997).

Herbert G. Thompson, Jr. and Kenneth Rose, "Merge, Consolidate, Grow, or Spin Off? The Costs and Synergies of Vertical Integration," *Public Utilities Fortnightly* Vol. 134, No. 17 (September 15, 1996).

Kenneth Rose, "Twelve Common Myths of Allowance Trading: Improving the Level of Discussion," *The Electricity Journal* Vol. 8, No. 4 (May 1995).

Kenneth Rose, "PUC Treatment of Compliance Costs: Ratepayers, Utilities & the Allowance Market," *Compliance Strategies Review* (January 18, 1993).

Kenneth Rose and Robert E. Burns, "A Need to Act: The FERC, the State Commissions, and the Clean Air Act," *Public Utilities Fortnightly* Vol. 130, No. 11 (December 1, 1992).

Barry D. Solomon and Kenneth Rose, "Emissions Trading: Incentives--Not Preapproval," *The Electricity Journal* Vol. 5, No. 6 (July 1992).

Kenneth Rose, "Price-Cap Regulation: Some Implementation Issues," *Quarterly Bulletin* 12, no. 4, The National Regulatory Research Institute (December 1991).

K. Rose and J. F. McDonald, "Economics of Electricity Self-Generation by Industrial Firms," *The Energy Journal* 12, no. 2 (1991).

Reports

Kenneth Rose, "2004 Performance Review of Electric Power Markets," for the Virginia State Corporation Commission, August 25, 2004.

Kenneth Rose, "2003 Performance Review of Electric Power Markets," for the Virginia State Corporation Commission, August 29, 2003.

Kenneth Rose and Venkata Bujimalla, "2002 Performance Review of Electric Power Markets," for the Virginia State Corporation Commission, August 30, 2002.

Kenneth Rose, "A Reexamination of the Restructuring of the Electric Supply Industry: What Will It Take to Make It Work?," for the Alabama Public Service Commission (May 2002, unreleased draft).

Kenneth Rose, Selina Lim, and Venkata Bujimalla, "Performance Review of Electric Power Markets," for the Virginia State Corporation Commission, August 31, 2001.

Kenneth Rose, "Energy Industry Restructuring: California Electric Restructuring Meltdown," in Costello et al., *The State of Regulation: An Annual Examination of the Four Utility Sectors*, The National Regulatory Research Institute, NRRI 01-10, Columbus, Ohio (August 2001).

Kenneth Rose, *Electric Restructuring Issues for Residential and Small Business Customers* The National Regulatory Research Institute, NRRI 00-10, Columbus, Ohio (June 2000).

Kenneth Rose, "Four Evolving Issues for Policymakers in an Era of Continual Change in the Electric Industry," in Wirick et al., *The State of Regulation: NRRI's Annual*

Examination of the Four Utility Sectors and a Look Forward, The National Regulatory Research Institute, NRRI 00-07, Columbus, Ohio (May 2000).

Kenneth W. Costello and Kenneth Rose with John Hoag, *An Ex Ante Analysis of Retail Competition in the Electric Power Industry: The Case of Kansas*, The National Regulatory Research Institute, NRRI 97-25, Columbus, Ohio (December 1997).

Kenneth Rose, et al., *Summary of Key State Issues of FERC Orders 888 and 889*, The National Regulatory Research Institute, NRRI 97-08, Columbus, Ohio (January 1997).

Kenneth Rose, *An Economic and Legal Perspective on Electric Utility Transition Costs*, The National Regulatory Research Institute, NRRI 96-15, Columbus, Ohio (July 1996).

Herbert G. Thompson, et al., *Economies of Scale and Vertical Integration in the Investor-Owned Electric Utility Industry*, The National Regulatory Research Institute, NRRI 96-05, Columbus, Ohio (January 1996).

Scott Hempling, Kenneth Rose, and Robert E. Burns, *The Regulatory Treatment of Embedded Costs Exceeding Market Prices: Transition to a Competitive Electric Generation Market, A Briefing Document for State Commissions*, The National Regulatory Research Institute, NRRI 94-24, Columbus, Ohio (November 1994). (Also printed and distributed by the National Association of Regulatory Utility Commissioners, Washington, D.C.)

Kenneth Rose, Paul A. Centolella, and Benjamin F. Hobbs, *Public Utility Commission Treatment of Environmental Externalities*, The National Regulatory Research Institute, NRRI 94-10, Columbus, Ohio (June 1994).

Mohammad Harunuzzaman, Kenneth W. Costello, Thomas P. Lyon, Edward H. Jennings, Kenneth Rose, Govindarajan Iyyuni, Mark Eifert, and Timothy Viezer, *Regulatory Practices and Innovative Generation Technologies: Problems and New Rate-Making Approaches*, The National Regulatory Research Institute, NRRI 94-05, Columbus, Ohio (March 1994).

Kenneth Rose, Alan S. Taylor, and Mohammad Harunuzzaman, *Regulatory Treatment of Electric Utility Clean Air Act Compliance Strategies, Costs, and Emission Allowances*, The National Regulatory Research Institute, NRRI 93-16, Columbus, Ohio (December 1993).

Presentations and Papers From the National Seminars on Public Utility Commission Implementation of the Energy Policy Act of 1992, compiled by Kenneth Rose, The National Regulatory Research Institute, NRRI 93-15, Columbus, Ohio (December 1993).

Kenneth Rose and Robert E. Burns, eds., *Regulatory Policy Issues and the Clean Air Act: Issues and Papers From the State Implementation Workshops*, The National Regulatory Research Institute, NRRI 93-8, Columbus, Ohio (July 1993).

Kenneth Costello, Robert E. Burns, Daniel J. Duann, Robert J. Graniere, Mohammad Harunuzzaman, and Kenneth Rose, *A Synopsis of The Energy Policy Act of 1992: New Tasks for State Public Utility Commissions*, The National Regulatory Research Institute, NRRI 93-7, Columbus, Ohio (June 1993).

Kenneth Rose and Robert E. Burns, *Regulatory Policy Issues and the Clean Air Act: An Interim Report on the State Implementation Workshops*, The National Regulatory Research Institute, NRRI 92-17, Columbus, Ohio (August 1992).

Kenneth Rose, Robert E. Burns, Jay S. Coggins, Mohammad Harunuzzaman, and Timothy W. Viezer, *Public Utility Commission Implementation of the Clean Air Act's Allowance Trading Program*, The National Regulatory Research Institute, NRRI-92-6, Columbus, Ohio (May 1992).

Raymond W. Lawton and Kenneth Rose, eds., *Regulatory Perspectives on Price Caps*, The National Regulatory Research Institute, NRRI-91-05, Columbus, Ohio (February 1992).

Narayan S. Rau, Kenneth Rose, Kenneth Costello, and Youssef Hegazy, *Methods to Quantify Energy Savings From Demand-Side Management Programs: A Technical Review*, The National Regulatory Research Institute, NRRI-91-11, Columbus, Ohio (October 1991).

Kenneth Rose and Robert E. Burns, *Overview and Discussion of the Key Regulatory Issues in Implementing the Electric Utility Provisions of the Clean Air Act Amendments of 1990*, The National Regulatory Research Institute, NRRI-91-10, Columbus, Ohio (June 1991).

Robert E. Burns, Kenneth Rose and Mark Eifert, *Implementing a Competitive Bidding Program for Electric Power Supply*, The National Regulatory Research Institute, NRRI-90-15, Columbus, Ohio (January 1991).

Robert E. Burns, Kenneth Rose, Kenneth W. Costello, and Narayan S. Rau, *Discussion Papers Reviewing and Critiquing Comments on the Commission-Ordered Investigation on Transmission Access and Pricing*, prepared under a contract between the NRRI and the Public Utilities Commission of Ohio (October 1990).

Robert E. Burns, Kenneth Rose, Kenneth W. Costello, and Daniel J. Duann, *Discussion Papers Reviewing and Critiquing Comments on the Commission-Ordered Investigation on Competitive Bidding*, prepared under a contract between the NRRI and the Public Utilities Commission of Ohio (September 1990).

J. M. Pfingston, K. Rose, A. Novickas, and R. G. Williams, *The Land Use Assessment System: A Field Manual and Computer User's Guide*, Draft Report, Argonne National Laboratory, Argonne, Illinois (April 1990).

T. D. Veselka, J. C. VanKuiken, G. D. Parker, and K. Rose, *Introduction to the Argonne Utility Simulation (ARGUS) Model*, Argonne National Laboratory Report ANL/EAIS-TM-10, Argonne, Illinois (March 1990).

Kevin Kelly, Robert E. Burns, and Kenneth Rose, *An Evaluation for NARUC of the Key Issues Raised by the FERC Transmission Task Force Report*, The National Regulatory Research Institute, NRRI-90-7, Columbus, Ohio (January 1990).

Robert E. Burns, Daniel J. Duann, Kenneth Rose, Kevin Kelly, and Narayan S. Rau, "Discussion Papers on Competitive Bidding and Transmission Access and Pricing Issues in the Context of Integrated Resource Planning," prepared under a contract between the NRRI and the Public Utilities Commission of Ohio (January 1990).

D. A. Hanson et al., *Regulatory and Infrastructure Impediments to the Efficient Use of Natural Gas*, Study 2 Report of the Natural Gas Initiative of the U.S. Department of Energy, Draft Report, Argonne National Laboratory, Argonne, Illinois (May 1988).

Kenneth Rose, *Economic Analysis of Electricity Self-Generation by Industrial Firms*, Ph.D. Dissertation, Department of Economics, University of Illinois at Chicago, Chicago (1988).

D. A. Hanson, K. Rose, and E. J. Kohout, *Analysis of the Distribution of NPC Respondents: Alternative Outlooks for Oil and Natural Gas*, Draft Report, Argonne National Laboratory, Argonne, Illinois (November 1986).

K. Rose, *Measures of Inputs and Outputs for Service Industries*, Draft Report, Argonne National Laboratory, Argonne, Illinois (May 1985).

K. Rose, S. LaBelle, R. Winter, and Y. Klein, *Impacts of the Proposed EPA Action to Reduce Leaded Gasoline Use on Minorities and Low-Income Households*, Argonne National Laboratory Report ANL/EES-TM-289, Argonne, Illinois (April 1985).

D. W. South, J. C. Nagle, J. W. Nagle, K. Rose, and R. C. Winter, *Local Effects of Tar Sands Development at the Tar Sands Triangle Site in Utah: A Socioeconomic Analysis*, Draft Report, Argonne National Laboratory, Argonne, Illinois (February 1985).

Kenneth Rose and David W. South, *Effects of Petroleum Market Deregulation on Minority and Low-Income Households: A Determinant Analysis and Research Agenda*, Draft Report, Argonne National Laboratory, Argonne, Illinois (January 1985).

D. W. South, J. C. Nagle, J. W. Nagle, K. Rose, and R. C. Winter, *Areawide and Local Effects of Tar Sands Development at the Sunnyside Site in Utah: A Socioeconomic Analysis*, Argonne National Laboratory Report ANL/EES-TM-249, Argonne, Illinois (April 1984).

Conference Papers

“Unbundling Electric Services: U.S. Experience, Options, and Evaluation,” Conference at Gakushuin University, Tokyo, Japan, March 22, 2004. (Appearance also.)

“A Reexamination of the Restructuring of the Electric Supply Industry,” presented at the American Association for the Advancement of Science Annual Meeting and Science Innovation Exposition, Boston, Massachusetts, February 17, 2002 (appearance also).

Kenneth Rose, “Retail Marketing Areas: Jump-Starting Electric Retail Competition While Short Circuiting Horizontal Market Power,” *Advanced Workshop in Regulation and Competition: Network Industries In Transition*, 11th Annual Western Conference, Monterey, California, July 9, 1998.

Kenneth Rose, “The Economics of Electric Utility Transition Costs,” *Session II: Economics of Electric Industry Restructuring Transportation & Public Utilities Group*, American Economic Association, Chicago, Illinois, January 4, 1998.

Kenneth Rose, “Some Additional Observations on the Developing Sulfur Dioxide Allowance Trading Market,” Conference Proceedings, *Market Tools for Green Goals: Studies of the Use of Market Incentives to Resolve Environmental Problems* (Chicago: Board of Trade of the City of Chicago, 1997).

Kenneth Rose (with Scott Hempling and Robert E. Burns), “Electric Utility Industry Restructuring and Transition Costs: Reconciling Economic Efficiency and Regulatory Consistency,” White Paper #4, Joint NARUC/EEI Seminar: “Regulating in a Transitional Environment,” Providence, Rhode Island, April 19, 1995.

Kenneth Rose, “Twelve Common Myths of Allowance Trading: Improving the Level of Discussion on the Issue,” panel on “Fine Tuning the Allowance Market,” National Association of Regulatory Utility Commissioners 106th Annual Convention and Regulatory Symposium, Reno, Nevada, November 16, 1994.

Kenneth Rose, “Tradable SO₂ Permits With a Regulated Electric Industry,” presented at “Marketable Emission Permits for the Protection of the Environment” session, Midwest Economics Association meeting, Chicago, Illinois, March 26, 1994.

Kenneth Rose, “PUC Reactions and Regulatory Treatment of Allowance Trading,” presented at “Clean Air Response: Achieving Compliance in an Evolving Market,”

cosponsored by Electric Power Research Institute, Cantor Fitzgerald, Centre Financial, Eagles Group, and Emissions Exchange, Baltimore, Maryland, March 3, 1994.

Kenneth Rose, "The Environment and The Role of the Public Utility Commissions," presented at the 15th Annual North American Conference of the International Association for Energy Economics, Seattle, Washington, October 11, 1993.

Kenneth Rose, "Regulatory Choices and the Energy Policy Act: Three Alternative Paths," presented at Conference on Future Power Needs in Pennsylvania, sponsored by the Pennsylvania Public Utility Commission, Harrisburg, Pennsylvania, September 27, 1993.

Kenneth Rose, "Planning Versus Competition and Incentives: Conflicts, Complements, or Evolution?" presented at the Electricity and Federalism Symposium, Princeton University, Princeton, New Jersey, June 24, 1993.

Kenneth Rose, "Public Utility Commission Treatment of Environmental Externalities," presented at the Seventh Annual Regulatory Educational Conference, sponsored by The Canadian Association of Members of Public Utility Tribunals, Banff, Alberta, Canada, May 12, 1993.

Kenneth Rose, "Regulatory Treatment of Allowances and Compliance Costs," presented at Implementing Emissions Trading, held by The H. John Heinz III School of Public Policy and Management and The Pennsylvania Public Utility Commission, Pittsburgh, Pennsylvania (December 8, 1992).

Kenneth Rose, "Regulatory Treatment of Emission Allowances and the Allowance Trading Market," presented at the Seminar on Power Contracting in a Competitive Market, sponsored by ECC, Inc., Arlington, Virginia (October 7, 1992).

Kenneth Rose, "Public Utility Commission Policy and the Allowance Market: Some Implementation Issues," presented at "Will Utility Regulation Frustrate or Advance Environmental Reform? Regulatory Treatment of Clean Air Act Acid Rain Allowances," sponsored by The Federal Energy Bar Association and The American Bar Association Sections of Natural Resources, Energy and Environmental Law and Public Utility, Communications & Transportation Law in cooperation with Coordinating Group on Energy Law, Washington, D.C., May 20, 1992.

Kenneth Rose, "Public Utility Commission Policy and the Allowance Market: Some Implementation Issues," presented at the National Conference of Regulatory Attorneys, Columbus, Ohio (May 5, 1992).

Barry D. Solomon and Kenneth Rose, "Privatization of Pollution Rights: Making the Market for SO₂ Emissions," presented to the Association of American Geographers, San Diego, California (April 19, 1992).

Kenneth Rose, "State Regulatory Policy and the Allowance Market: Ratepayers' Interest and Market Development," presented at the Conference on Electricity Law and Regulation, sponsored by The American Bar Association Sections of Natural Resources, Energy, and Environmental Law; Administrative Law and Regulatory Practice; and Public Utility, Communications and Transportation Law, Denver, Colorado (March 12, 1992).

Kenneth Rose and Mark Eifert, "Competitive Bidding for Power Supply: A Survey of State Public Utility Commissions and Investor-Owned Utilities," presented at NARUC Biennial Regulatory Information Conference, Columbus, Ohio (September 1990).

Kenneth Rose, "Regulated Utility Pricing Incentives with Price Cap Regulation: Can It Correct Rate of Return Regulation's Limitations?" presented at the Forum on Alternatives to Rate Base/Rate of Return Regulation, sponsored by the Michigan Public Service Commission, Lansing, Michigan (May 1990).

T. D. Veselka and K. Rose, "Market Penetration Potential of New Clean Coal Technologies," in proceedings *Utility Opportunities for New Generation*, Edison Electric Institute and Electric Power Research Institute, Boston, Massachusetts (1989).

K. Rose and J. F. McDonald, "Relative Importance of Economic and Engineering Factors Influencing Industrial Cogeneration," in proceedings of the *Ninth International Conference, World Energy Markets: Coping with Instability*, International Association of Energy Economists, Calgary, Alberta, Canada (1987).

Kenneth Rose, "Factors Influencing Industrial Cogeneration," in proceedings of the *16th Annual Meeting of the Illinois Economic Association*, Chicago, Illinois (1986).

TESTIMONY

Before the Federal Energy Regulatory Commission, Public Utilities Commission of The State of California v. Sellers of Long Term Contracts to the California Department of Water Resources, California Electricity Oversight Board v. Sellers of Energy and Capacity Under Long-Term Contracts With the California Department of Water Resources, Docket No. EL02-60-003 and No. EL02-62-003 (Consolidated), Prepared Direct Testimony on Behalf of The California Electricity Oversight Board and The California Public Utilities Commission, Exhibit CAL-3 (filed October 2002).

Public Service Commission of West Virginia, Case No. 98-0452-E-GI, "General Investigation to determine whether West Virginia should adopt a plan for open access to the electric supply market and for the development of a deregulation plan," (testimony on behalf of the Staff of the West Virginia Public Service Commission, addressing June 15, 1999 Initial Positions, filed July 15, 1999; Direct testimony, "Market Power in Electric Power Industry," August 20, 1999).

U.S. House of Representatives Committee on Commerce, Subcommittee on Energy and Power, "Electricity Competition: Market Power, Mergers, and PUHCA," May 6, 1999.

The Public Utilities Commission of Nevada, "In Re Investigation of Issues To Be Considered As a Result of Restructuring of Electric Industry" (pursuant to NRS 704.965 to 704.990, inclusive) proposed Regulation of the Public Utilities Commission of Nevada, October 19, 1998. (Comment on "Provider of Last Resort Service," in PUCN Docket No. 97-8001).

The Arizona Corporation Commission, "In the Matter of the Competition in the Provisions of Electric Services Throughout the State of Arizona," submitted January 21, 1998; cross examination, February 23, 1998. (Direct Testimony in Docket No. U-0000-94-165.)

The Arizona Corporation Commission, "In the Matter of the Competition in the Provisions of Electric Services Throughout the State of Arizona," submitted February 4, 1998; cross examination, February 23, 1998. (Rebuttal Testimony in Docket No. U-0000-94-165.)

General Assembly of the State of Ohio, Joint Committee on Electric Utility Deregulation, May 8, 1997. (Comments)

U.S. House of Representatives, Committee on Government Reform and Oversight
House of Representatives, Subcommittee on the Postal Service, April 16, 1997.
(Prepared statement published in Hearing proceedings for H.R. 22, The Postal Reform Act of 1997.)

The Public Service Commission of the State of Mississippi, "Benefits to Mississippi from Competition and Treatment of Utility Uneconomic Cost," April 14, 1997. (Comments addressed at Docket No. 96-UA-389.)

U.S. House of Representatives, Committee on Energy and Commerce, Subcommittee on Energy and Power, "The SO₂ Emissions Trading Program: Events and Lessons So Far," October 5, 1994. (Written testimony published in *PUR Utility Quarterly, A Special Supplement*, Fourth Quarter, 1994.)

Selected Appearances (from 2000 to the present)

"The State of Competition in Utility Industries: Why are the Outcomes Different? (Keynote address), Pennsylvania Public Utility Law Conference, Pennsylvania Bar Institute Program, Harrisburg, Pennsylvania, January 26, 2005.

Electric Utility Regulation Issues: An Introduction, Historical Development and Traditional Regulatory System and Status of Wholesale and Retail Competition, House

Commerce and Labor Committee, Virginia General Assembly, Richmond, Virginia, December 16, 2004.

2004 Performance Review of Electric Power Markets, Commission on Electric Utility Restructuring, Virginia General Assembly, Richmond, Virginia, November 23, 2004.

Camp NARUC 2004: The 46th Annual NARUC Regulatory Studies Program, "Retail Electric Market Design and Performance" August 11, 2004; "Wholesale Electric Market Design and Performance" August 10, 2004; "Electric Transmission Markets" August 10, 2004; "Electricity: Economics, Structure, and Regulation, August 2, 2004; "Roundtable: The Public Utility Industries Compared, Electricity" August 2, 2004.

"Does Competition Hurt Reliability? An Economist's View On How to Avoid Another Major Blackout" (Keynote address), GasFair Power Summit 2004, 13th Annual North American Natural Gas & Electricity Market Conference & Trade Show, Presented by Canadian Enerdata Ltd., Toronto, Canada, May 18, 2004.

"What Conditions are Necessary for Competition to Provide Benefits to Illinois Customers?" Post 2006 Symposium, Panel: Developing Electric Competition in Illinois, Chicago, Illinois, April 29, 2004.

"Developments in U.S. Retail Electric Markets," The Central Research Institute of Electric Power Industry, Tokyo, Japan, March 24, 2004.

"Unbundling Electric Services: U.S. Experience, Options, and Evaluation," Conference at Gakushuin University, Tokyo, Japan, March 22, 2004. (Paper presented also.)

"Developments in Electric Industry Restructuring in the U.S.," Technology and Energy Committee, Michigan Senate, Lansing, Michigan, February 18, 2004.

"A Review of Electric Power Markets in the U.S.," Presentation to the Commission on Electric Utility Restructuring, Virginia General Assembly, November 19, 2003.

"Updates and Summary of '2003 Performance Review of Electric Power Markets,'" IPU Online Webcast, October 9, 2003.

Camp NARUC 2003: The 45th Annual NARUC Regulatory Studies Program, "Energy Market Performance Monitoring and Assessment," August 12, 2003; "Market Design for Electricity," August 12, 2003; "Electricity: Economics, Structure, and Regulation," August 4, 2003; "Roundtable: The Public Utility Industries Compared," August 4, 2003.

"FERC Standard Market Design," Michigan Electric Power Conference, Gaylord, Michigan, July 11, 2003.

"PJM and Midwest Developments," American Association of Blacks in Energy 2003 Annual Conference, Philadelphia, Pennsylvania, April 23, 2003.

"Congestion Revenue Rights and FERC's Proposed Transmission Incentive Policy Staff," Subcommittee on Electricity, NARUC Winter Committee Meetings, Washington, D.C., February 23, 2003.

"Electric Restructuring Overview," The Michigan Forum 2003 On Telecommunications and Energy Regulatory Policy, East Lansing, Michigan, February 7, 2003.

"Wholesale Market Design -- Where are We and Where are We Headed?" presented at "Energy Markets at the Crossroads," The Institute for Regulatory Policy Studies, Illinois State University, Springfield, Illinois, December 12, 2002.

"The Evolving Regulatory Paradigm," panel: "Back in the Bottle: Is Re-Regulation a Reality?" presented at "Fiscal Fitness -- The Financial Condition of the Utility Industries and the Role of Regulation," Annual Regulatory Policy Conference, Institute of Public Utilities, Michigan State University, Tampa, Florida, December 10, 2002.

"Performance Review of Electric Power Markets," presentation to the Legislative Transition Task Force, Virginia General Assembly, Richmond, Virginia, November 26, 2002.

"Congestion Revenue Rights Workshop," NARUC 114th Annual Convention, Staff Subcommittee on Electricity, Chicago, Illinois, November 10, 2002.

"Measuring Market Power & Market Monitoring," 44th Annual NARUC Regulatory Studies Program, Michigan State University, East Lansing, Michigan, August 14, 2002.

"Retail Pricing Issues for Electricity," 44th Annual NARUC Regulatory Studies Program Michigan State University, East Lansing, Michigan, August 8, 2002.

"Applied Marginal-Cost Pricing," 44th Annual NARUC Regulatory Studies Program Michigan State University, East Lansing, Michigan, August 8, 2002.

"Overview of Wholesale Standard Market Design," Standard Market Design Workshop, NARUC Summer Committee Meeting, July 28, 2002.

"A Reexamination of the Restructuring of the Electric Supply Industry," presented at the American Association for the Advancement of Science Annual Meeting and Science Innovation Exposition, Boston, Massachusetts, February 17, 2002 (conference paper also).

"Wholesale and Retail Market Overview," NARUC Winter Committee Meetings, Committee on Electricity, Washington, D.C., February 11, 2002.

"Developments in Electricity Policy, The View from the Public Utility Commissions in the Seventh District States," Federal Reserve Bank of Chicago, Electricity Policy in the Midwest, Chicago, Illinois, January 17, 2002 (presented and moderated the panel).

"Properly Structured Incentive Plans," Electric Roundtable Discussion Group, held by the Missouri Public Service Commission, Jefferson City, Missouri, December 17, 2001.

"End of the Road for Retail?" Energy Bar Association, Mid-Year Meeting, November 30, 2001.

"Performance of Electric Power Markets," Presentation to the Kansas State Legislature, Special Committee on Utilities, October 11, 2001.

"Opportunities for Cogeneration and On-site Generation in a Restructured Environment," Midwest Cogeneration Association, Fifteenth Annual Non-Utility Power Conference, September 25, 2001.

"Performance Review of Electric Power Markets," Presentation to the Legislative Transition Task Force, Virginia General Assembly, Richmond, Virginia, September 7, 2001.

"Evaluating State Competition Retail Performance," Camp NARUC 2001, Institute of Public Utilities, Michigan State University, August 14, 2001.

"Monitoring Power Markets," Camp NARUC 2001, Institute of Public Utilities, Michigan State University, August 13, 2001.

"State of the Market Report to the Committee on Electricity," NARUC Summer Committee Meetings, Seattle, Washington, July 16, 2001.

"What is Market Power and Why Should We Care About It?," NRRI Market Power Conference, Columbus, Ohio, April 10, 2001.

"Competition In Wholesale Power Markets," National Governors Association, Center for Best Practices, Philadelphia, Pennsylvania, April 6, 2001.

"Retail Market Power Issues," 2001 NASUCA Capitol Hill Conference, "California Aftershocks: What Must Be Done to Make Restructuring Work?" Washington, DC, April 5, 2001.

"Electric Restructuring's Impact on Non-Restructuring States," "Current Issues Challenging The Utility Industry," Center for Public Utilities, New Mexico State University, Santa Fe, New Mexico, March 27, 2001.

“Market Monitoring and Detecting Market Power,” NARUC Winter Committee Meetings Staff Subcommittee on Electricity, February 25, 2001.

“The California Electric Restructuring Meltdown and the Fallout in Other States,” National Conference of State Legislatures, AFI/ASI Joint Winter Meeting, AFI Energy and Transportation Committee, December 13, 2000.

“Current Level of Electric Regulation: Summary of State Retail Access,” Wisconsin Public Utility Institute, Fundamental Course: Energy Utility Basics, Madison, Wisconsin November 15, 2000.

“Unbundling Experiences From Around the Country,” Functional Unbundling, Infocast Conference, Chicago, Illinois, November 2, 2000.

“Open Access and Retail Choice Markets,” Institute of Public Utilities, NARUC Advanced Regulatory Studies Program, Cincinnati, Ohio, October 10, 2000.

“Open Access Retail Models in Electricity,” Camp NARUC 2000, NARUC Annual Regulatory Studies Program, August 7, 2000.

“Transmission Pricing Mechanisms and Implications,” NARUC Summer Committee Meetings, Subcommittee On Strategic Issues, Los Angeles, July 24, 2000.

“Electric Retail Access: What Have We Learned From the Early States?,” Electric Power Industry Special Institute, Sponsored by the Energy & Mineral Law Foundation, Columbus, Ohio, June 22, 2000.

“A MARC Regional Transmission Organization: Your Worst Nightmare?,” Mid-America Regulatory Commissioners Meeting, MARC 2000, St. Louis, Missouri, June 12, 2000.

“Market Power and Competition in the Electric Industry: Derailment Ahead?,” 2000 NASUCA Capitol Hill Conference, “Retail Competition: Right Train, Wrong Track?” March 20, 2000.

“Reliability Pressure Points of the Barton Bill and FERC Order 2000: Considerations for State Regulators,” NARUC Winter Committee Meetings, Washington, D.C., March 6, 2000.

Testimony and Presentations Before Legislatures (before 2000)

“Mandatory Rate Discounts: Lessons Learned from Other States,” House Public Utilities Committee, Ohio General Assembly, Columbus, Ohio, May 12, 1999.

“Who Should Supply Non-Choosing Customers?” Nevada Senate, Committee on Commerce and Labor, Carson City, Nevada, March 17, 1999.

“Who Should Supply Non-Choosing Customers?” Nevada Assembly, Committee on Government Affairs, Carson City, Nevada, March 16, 1999.

“New Electric Supply Market Structure,” Special Task Force on Electricity Restructuring, Kentucky General Assembly, Frankfort, Kentucky, March 8, 1999.

“Ohio’s Proposed Retail Marketing Areas,” Iowa General Assembly, Deregulation and Restructuring of the Electric Utility Industry Study Committee, Des Moines, Iowa, November 23, 1998.

“Electric Utility Securitization,” presented to State of Vermont House of Representatives, House Electric Utility Regulatory Reform Committee, Montpelier, Vermont, October 1, 1997.

“Performance-Based Ratemaking,” presented to State of Vermont House of Representatives, House Electric Utility Regulatory Reform Committee, Montpelier, Vermont, October 1, 1997.

“Electric Industry Restructuring: Activities and Issues Around the Country,” presented to Indiana General Assembly, Regulatory Flexibility Committee, Indianapolis, Indiana, September 10, 1997.

“Securitization of ‘Stranded Costs’: Benefits and Risks to Customers,” presented to the Kansas Retail Wheeling Task Force, Topeka, Kansas, September 3, 1997.

“Stranded Costs,” presented to the Kansas Retail Wheeling Task Force, Topeka, Kansas, September 3, 1997.